

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641526

Luminaire Tested: GWS-SA6B-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

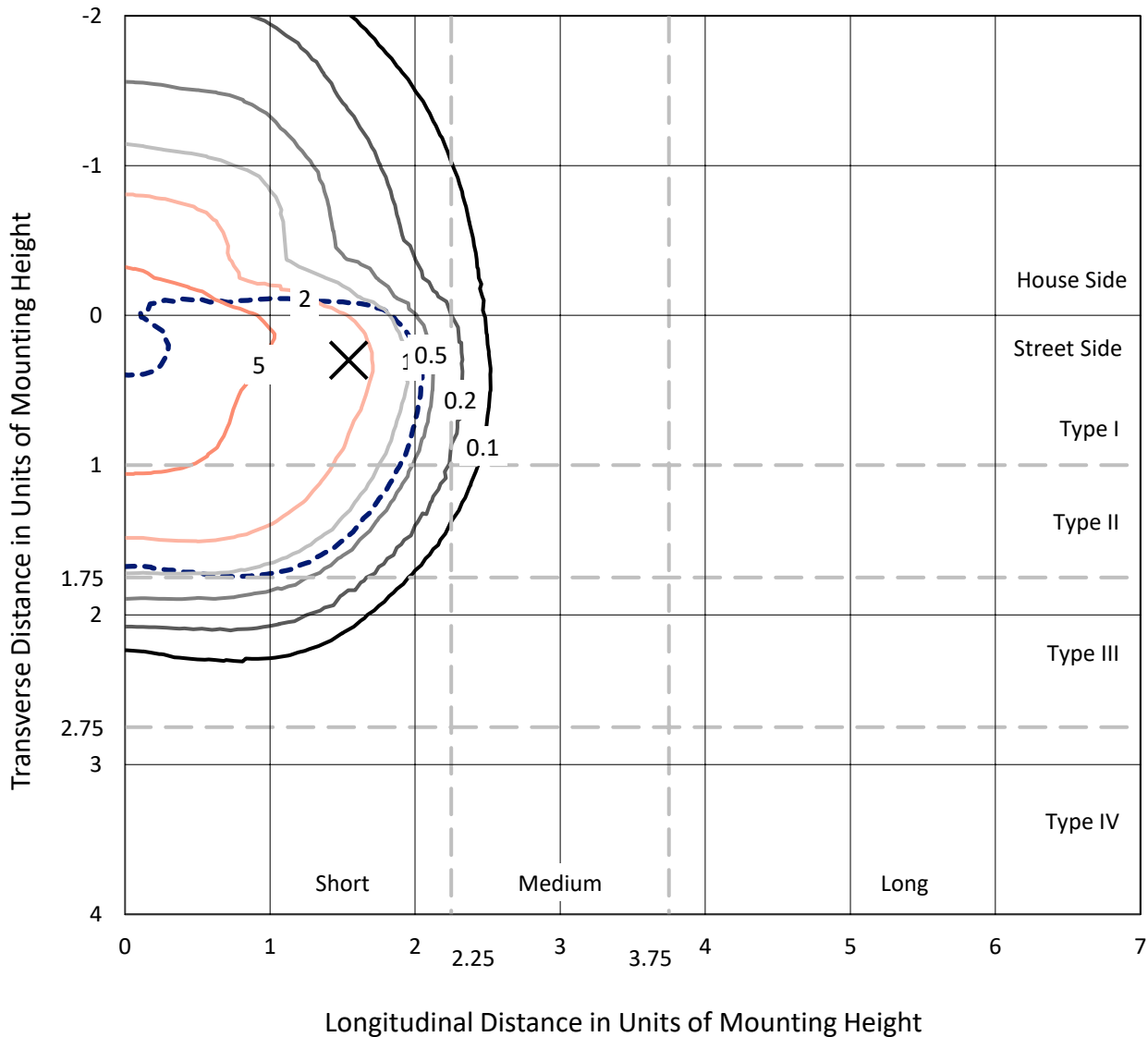
Lumens per Lamp: N/A  
Luminaire Lumens: 13673.2 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

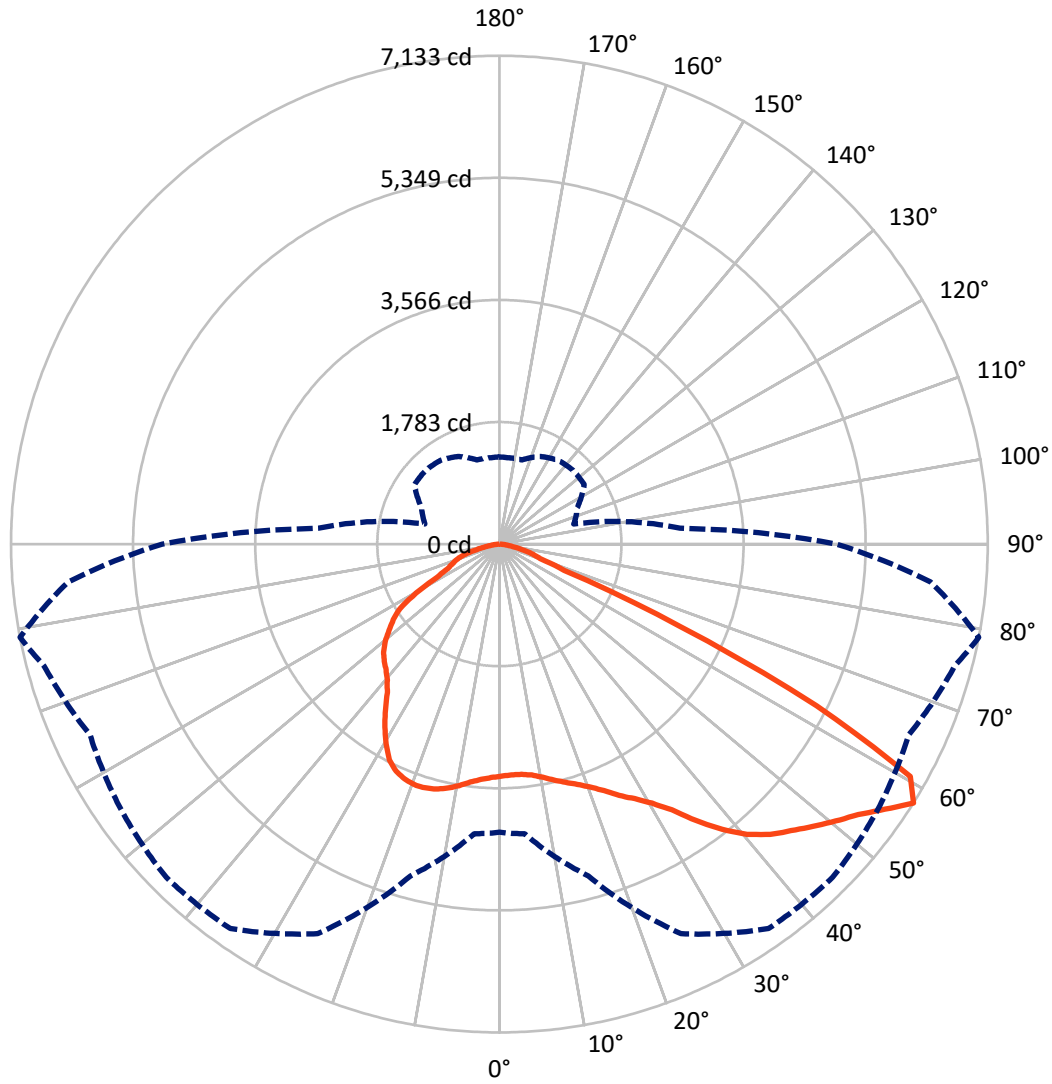
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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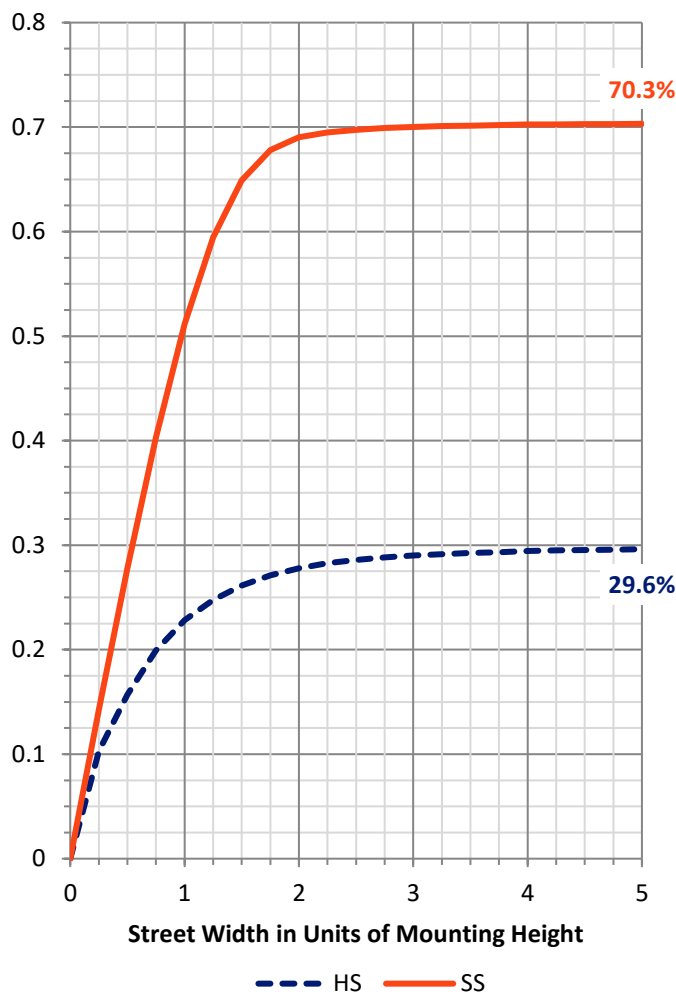
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4064.4	0.0	4064.4
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	9608.8	0.0	9608.8
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	13673.2	0.0	13673.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.8	2.3
10°-20°	872.1	6.4
20°-30°	1478.2	10.8
30°-40°	2262.6	16.5
40°-50°	3016.9	22.1
50°-60°	3484.3	25.5
60°-70°	1810.6	13.2
70°-80°	384.9	2.8
80°-90°	49.9	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13673.2	100.0
0°-180°	13673.2	100.0

**Coefficient of Utilization**



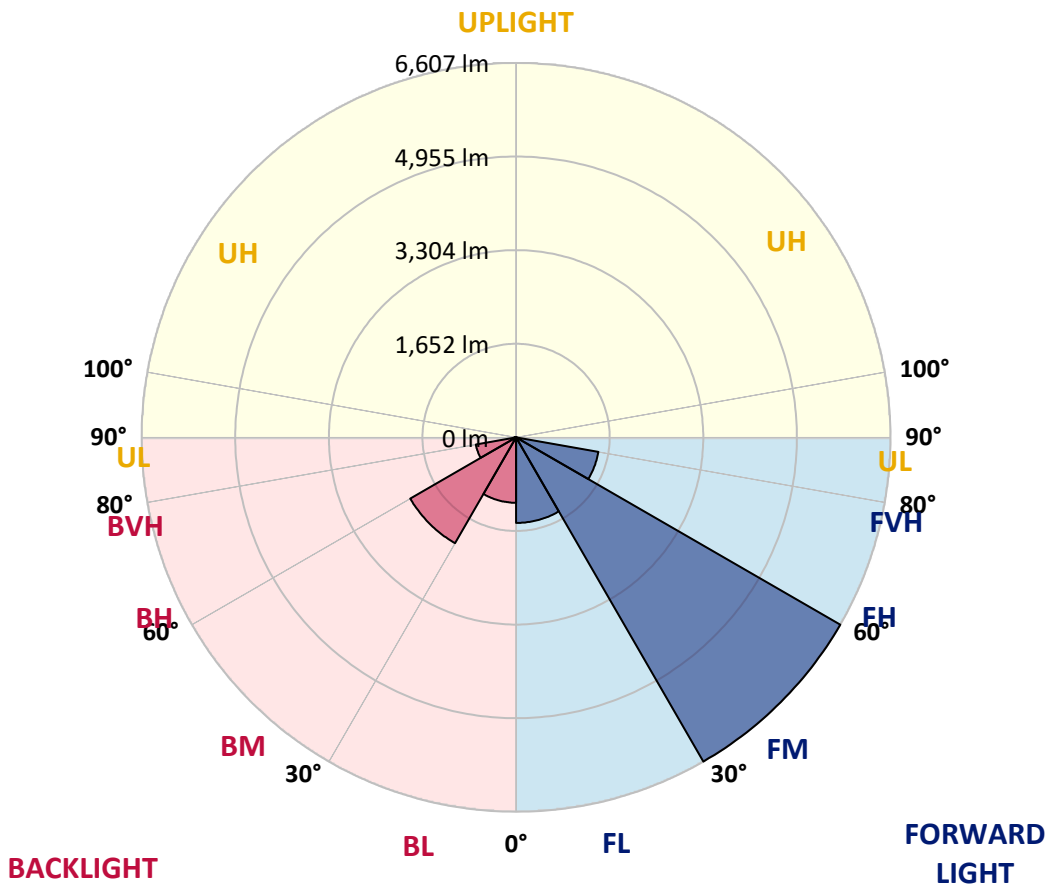
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CATALOG NUMBER: GWS-SA6B-722-U-T3R-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1509.8	11.0			
FM (30°-60°)	6607.3	48.3			
FH (60°-80°)	1474.3	10.8			G1/1800
FVH (80°-90°)	17.4	0.1			G1/100
BL (0°-30°)	1154.2	8.4	B3/2500		
BM (30°-60°)	2156.5	15.8	B2/2500		
BH (60°-80°)	721.1	5.3	B2/1000		G2/1000
BVH (80°-90°)	32.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5
2.5°	3234.3	3227.5	3229.8	3238.7	3272.3	3296.9	3322.6	3346.1	3368.4	3375.1	3380.7
5°	3119.1	3106.8	3110.2	3124.7	3163.8	3205.2	3251.0	3306.9	3360.6	3378.5	3402.0
7.5°	3037.5	3035.3	3040.8	3063.2	3104.6	3143.7	3203.0	3282.3	3375.1	3405.3	3446.7
10°	2929.1	2924.6	2946.9	2992.8	3061.0	3123.6	3194.0	3287.9	3417.6	3462.3	3526.0
12.5°	2843.0	2840.7	2864.2	2927.9	3015.1	3114.6	3211.9	3317.0	3474.6	3536.1	3614.4
15°	2893.3	2883.2	2884.3	2929.1	3007.3	3124.7	3256.6	3369.5	3531.6	3609.9	3710.5
17.5°	3039.7	3021.8	3008.4	3016.3	3061.0	3182.8	3324.8	3440.0	3597.6	3689.3	3812.2
20°	3242.1	3232.0	3195.1	3170.5	3180.6	3287.9	3432.1	3539.5	3683.7	3786.5	3918.4
22.5°	3513.7	3489.2	3438.8	3399.7	3369.5	3453.4	3586.4	3679.2	3803.3	3910.6	4048.1
25°	3850.3	3814.5	3735.1	3673.6	3608.8	3694.9	3813.4	3883.8	3967.6	4067.1	4197.9
27.5°	4193.5	4163.3	4075.0	3992.2	3911.7	3965.4	4106.3	4146.5	4137.6	4210.2	4322.0
30°	4559.0	4521.0	4437.2	4347.7	4243.8	4278.4	4404.8	4424.9	4329.9	4390.2	4466.2
32.5°	4944.7	4907.8	4835.2	4731.2	4613.8	4627.2	4661.9	4680.9	4590.3	4625.0	4683.1
35°	5337.1	5302.5	5228.7	5125.8	5039.8	4958.2	4870.9	4947.0	4894.4	4961.5	4957.0
37.5°	5696.0	5661.3	5615.5	5536.1	5388.6	5227.6	5026.3	5120.3	5201.9	5286.8	5272.3
40°	5938.6	5915.1	5926.3	5914.0	5724.0	5405.3	5102.4	5205.2	5427.7	5573.0	5565.2
42.5°	6147.7	6124.2	6189.0	6236.0	6012.4	5569.7	5139.3	5237.6	5571.9	5798.9	5787.7
45°	6240.4	6233.7	6341.1	6489.8	6276.2	5744.1	5234.3	5304.7	5681.5	5972.1	5929.7
47.5°	6129.8	6153.2	6364.5	6616.1	6495.3	5950.9	5428.8	5446.7	5824.6	6160.0	6040.3
50°	5909.5	5961.0	6246.0	6619.4	6655.2	6184.6	5698.2	5653.5	6016.9	6360.1	6098.5
52.5°	5588.7	5642.3	6107.4	6593.7	6746.9	6455.1	6057.1	5993.4	6259.5	6560.2	6108.5
55°	4851.9	4924.6	5789.9	6535.6	6836.3	6701.0	6461.8	6332.1	6572.5	6835.2	6208.0
57.5°	4209.1	4247.1	5016.3	6277.3	6854.2	6882.2	6750.2	6596.0	6883.3	7132.6	6319.8
60°	3088.9	3097.9	3789.9	5194.0	6305.3	6777.1	6726.8	6497.6	6735.7	6894.5	5807.8
62.5°	1745.1	1746.3	2298.5	3466.8	4710.0	5523.8	5555.1	5352.8	5152.7	5199.6	4042.5
65°	655.1	716.6	1049.8	1703.8	2715.5	3261.1	3390.8	3437.7	3104.6	2897.8	2167.7
67.5°	438.2	452.8	612.6	876.5	1208.5	1395.2	1560.7	1565.1	1144.8	1020.7	854.1
70°	334.3	348.8	481.8	627.2	612.6	565.7	611.5	594.8	614.9	631.6	649.5
72.5°	249.3	263.8	373.4	442.7	367.8	362.2	410.3	456.1	498.6	516.5	544.4
75°	165.5	176.6	251.5	237.0	203.5	240.4	299.6	345.4	370.0	391.3	412.5
77.5°	105.1	112.9	134.2	108.4	112.9	140.9	174.4	215.8	239.2	260.5	271.7
80°	48.1	47.0	45.8	51.4	63.7	82.7	105.1	129.7	147.6	156.5	163.2
82.5°	19.0	21.2	23.5	27.9	34.7	44.7	59.3	76.0	90.6	92.8	98.4
85°	7.8	8.9	10.1	12.3	15.7	20.1	24.6	34.7	43.6	47.0	50.3
87.5°	0.0	0.0	0.0	0.0	1.1	2.2	3.4	5.6	10.1	11.2	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P641526

CATALOG NUMBER: GWS-SA6B-722-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5	3388.5
2.5°	3410.9	3396.4	3421.0	3437.7	3453.4	3436.6	3431.0	3416.5	3414.2	3414.2	3422.1
5°	3442.2	3432.1	3457.8	3467.9	3466.8	3429.9	3407.5	3378.5	3363.9	3363.9	3366.2
7.5°	3498.1	3492.5	3507.0	3491.4	3455.6	3380.7	3306.9	3245.4	3204.1	3182.8	3189.5
10°	3590.9	3584.2	3571.9	3513.7	3410.9	3255.5	3104.6	2992.8	2925.7	2887.7	2889.9
12.5°	3681.4	3670.3	3626.7	3498.1	3286.8	3039.7	2841.9	2716.6	2642.9	2598.1	2588.1
15°	3780.9	3751.9	3658.0	3417.6	3084.5	2775.9	2569.1	2433.8	2354.4	2327.6	2326.5
17.5°	3876.0	3824.5	3654.6	3274.5	2841.9	2499.8	2291.8	2208.0	2194.6	2206.9	2210.2
20°	3972.1	3889.4	3617.7	3076.6	2553.4	2224.7	2117.4	2152.1	2202.4	2235.9	2243.7
22.5°	4071.6	3943.0	3533.9	2821.7	2249.3	2039.2	2083.9	2159.9	2222.5	2267.2	2271.7
25°	4183.4	3993.4	3408.7	2509.8	2005.6	1987.7	2076.1	2156.5	2223.6	2275.0	2284.0
27.5°	4247.1	3994.5	3233.1	2189.0	1893.8	1967.6	2057.0	2133.1	2200.1	2256.0	2266.1
30°	4309.7	3964.3	2954.8	1928.5	1861.4	1944.1	2024.6	2095.1	2158.8	2213.6	2225.9
32.5°	4398.1	3936.3	2633.9	1778.7	1842.4	1921.8	1987.7	2050.3	2099.5	2124.1	2130.8
35°	4507.6	3900.6	2292.9	1713.8	1830.1	1903.9	1962.0	1995.6	1931.8	1918.4	1933.0
37.5°	4660.8	3867.0	1953.1	1685.9	1822.3	1897.2	1948.6	1862.5	1784.3	1753.0	1764.1
40°	4826.2	3848.0	1722.8	1663.5	1825.6	1903.9	1892.7	1765.3	1652.3	1586.4	1584.1
42.5°	4967.1	3818.9	1575.2	1649.0	1834.6	1929.6	1816.7	1679.2	1511.5	1472.4	1473.5
45°	5062.1	3745.2	1496.9	1633.3	1842.4	1935.2	1780.9	1560.7	1441.0	1416.5	1415.3
47.5°	5101.2	3611.0	1446.6	1608.7	1841.3	1889.4	1708.2	1511.5	1391.9	1385.2	1389.6
50°	5075.5	3390.8	1395.2	1560.7	1814.4	1841.3	1624.4	1467.9	1358.3	1395.2	1422.0
52.5°	4980.5	3105.7	1333.7	1494.7	1766.4	1786.5	1581.9	1441.0	1333.7	1382.9	1404.2
55°	4955.9	2874.3	1255.5	1408.6	1694.8	1689.2	1537.2	1427.6	1317.0	1298.0	1301.3
57.5°	4923.5	2648.4	1125.8	1254.4	1513.7	1522.7	1494.7	1412.0	1273.4	1267.8	1273.4
60°	4277.3	2030.2	1003.9	1082.2	1243.2	1291.2	1446.6	1382.9	1202.9	1179.4	1178.3
62.5°	2793.8	1229.8	893.2	943.6	1012.9	1068.8	1319.2	1299.1	1125.8	1111.3	1121.3
65°	1502.5	876.5	812.8	842.9	881.0	923.4	1093.4	1157.1	1017.3	965.9	967.0
67.5°	768.0	745.7	752.4	773.6	802.7	823.9	882.1	938.0	867.5	823.9	822.8
70°	657.4	675.2	685.3	697.6	716.6	713.3	718.8	728.9	723.3	702.1	701.0
72.5°	560.1	588.0	590.3	592.5	599.2	583.6	573.5	556.7	557.9	561.2	562.3
75°	425.9	452.8	459.5	456.1	462.8	442.7	429.3	412.5	392.4	389.0	391.3
77.5°	277.3	298.5	308.6	306.3	309.7	294.0	287.3	269.4	246.0	237.0	237.0
80°	167.7	180.0	187.8	190.1	193.4	182.2	171.0	155.4	145.3	135.3	135.3
82.5°	101.7	109.6	115.1	115.1	118.5	106.2	97.3	86.1	81.6	72.7	72.7
85°	51.4	57.0	59.3	58.1	55.9	45.8	42.5	36.9	34.7	30.2	30.2
87.5°	12.3	15.7	15.7	11.2	11.2	5.6	3.4	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)